FIG. 1

FIG. 2

300

320 — Client

310 — Server

110 — Data Storage

130 — Transaction Screen

330 — Request

340 — Response

120 — Transaction Processing

350 — Simulated Request

FIG. 3A

370 — Process 1

380 — Process 2

120

Transaction Processing

330 — Request

350 — Simulated Request

Start Timer

Process Request and Prepare Data

360 — Timer

Response

340

Time Out

FIG. 3B

PBO Start

Process
Before
Output

PBO End

User Interaction

← Data are Displayed →

PAI Start

Process
After
Input

PAI End

410   420   430

FIG. 4

REFRESHING A TRANSACTION SCREEN
Miroslav Cina
13913-119001
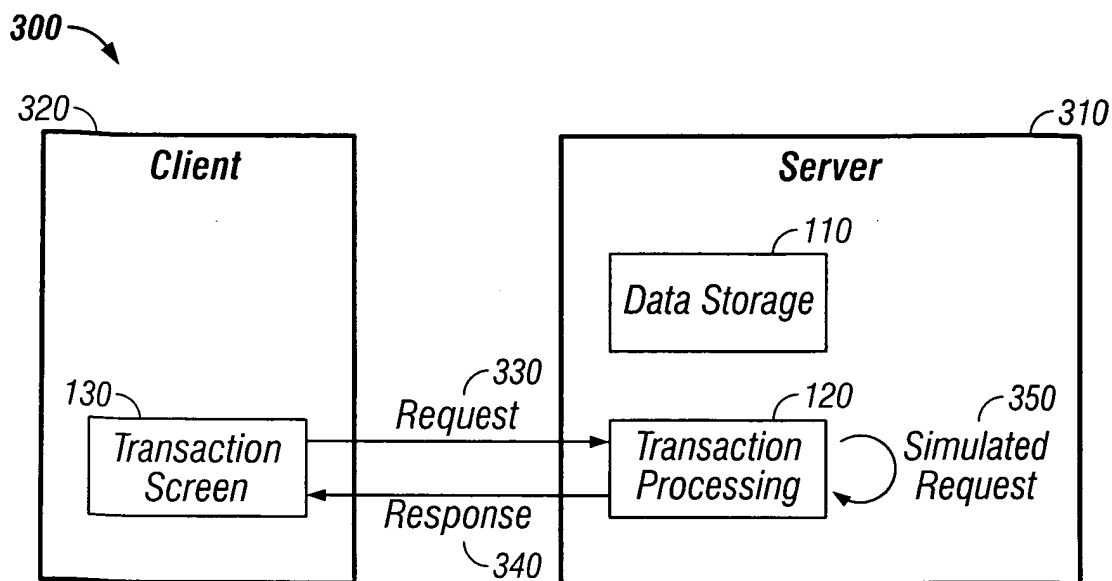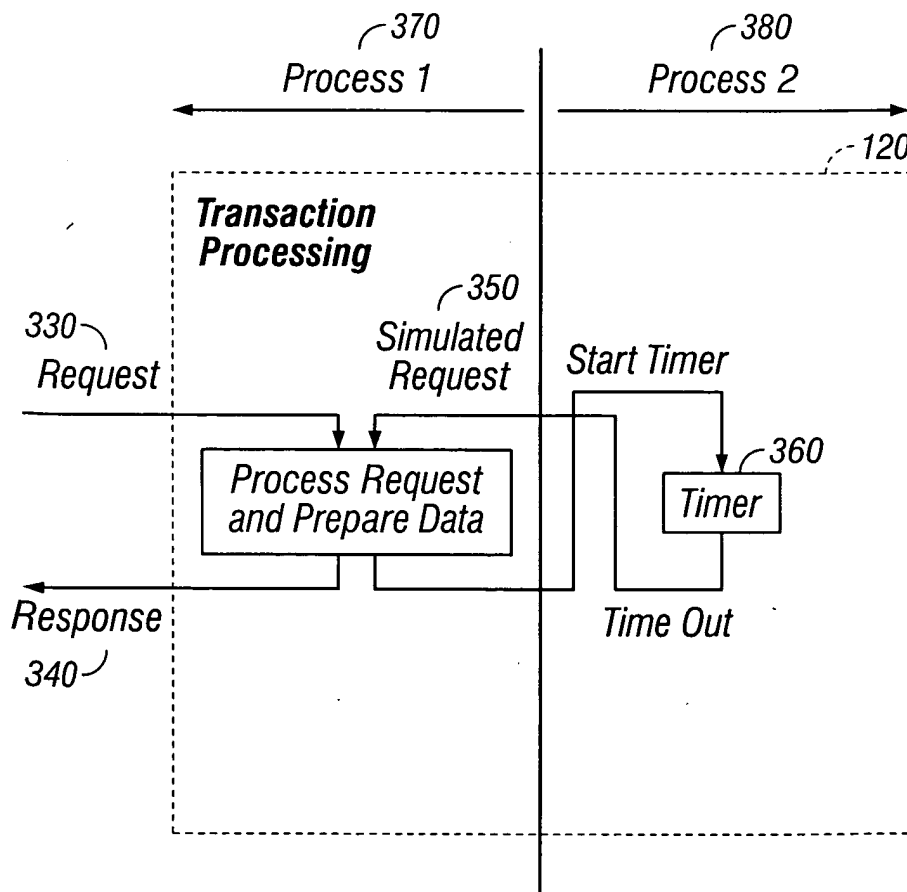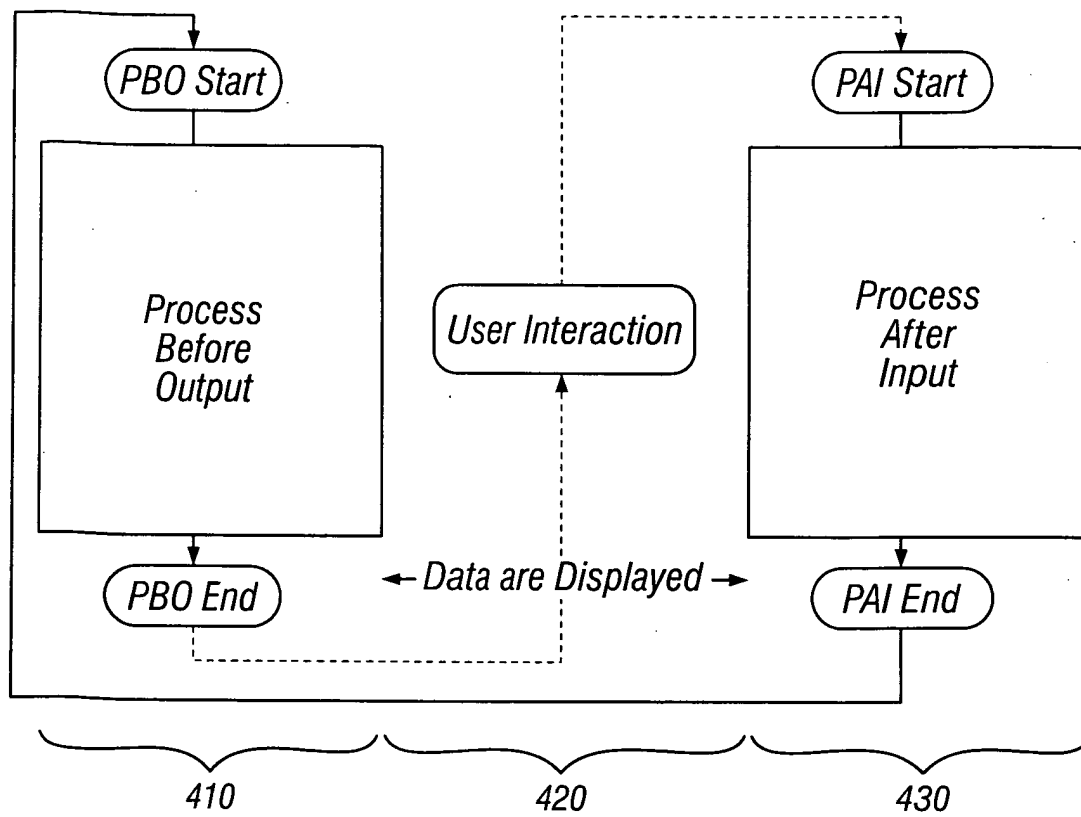

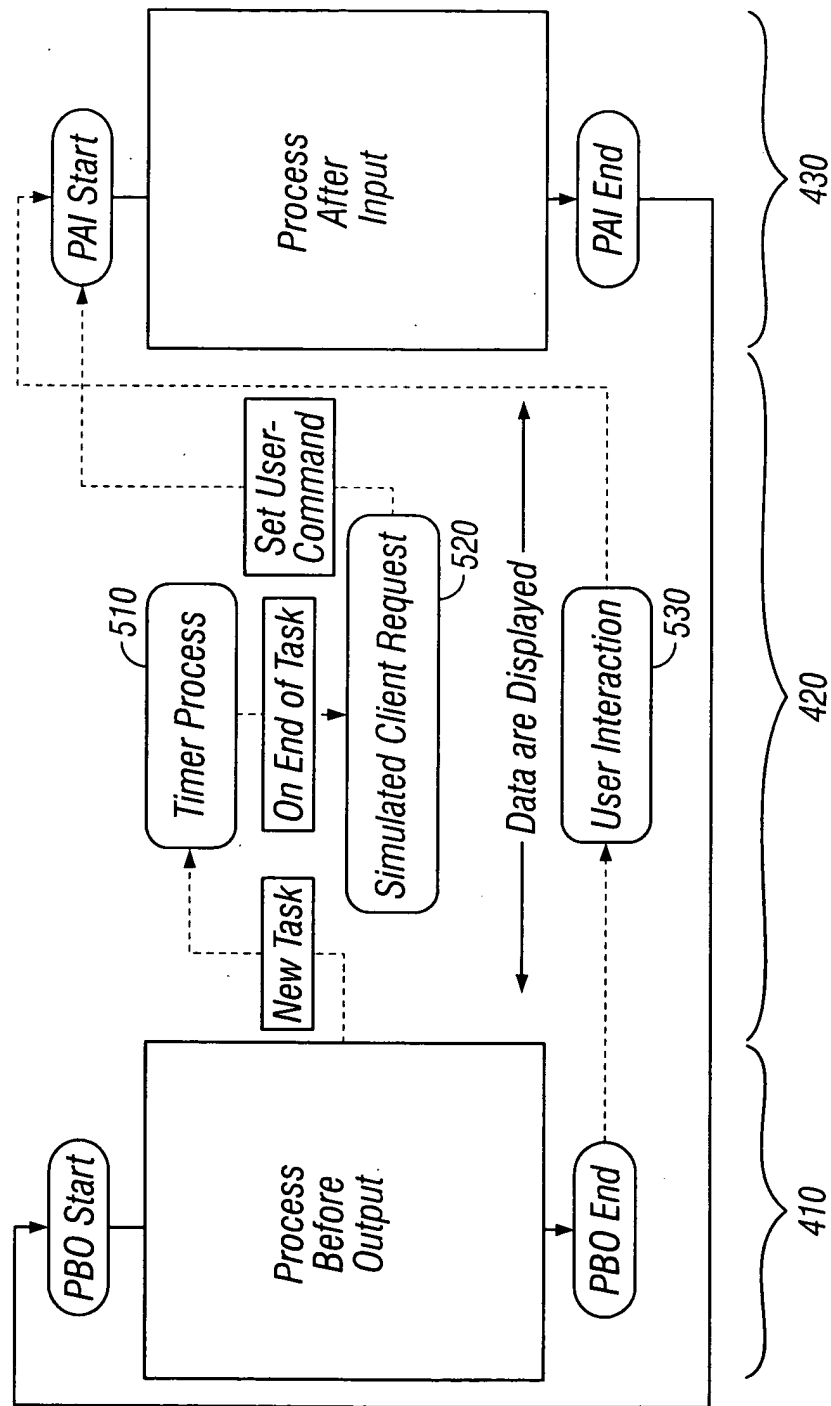
FIG. 5

```
MODULE set_restart OUTPUT.
    CALL FUNCTION 'CRM_MONITOR_I02_WAIT'
        starting new task 'MON02_RST'
        performing restart_receive on end of task
        EXPORTING              ┌610
        ┌─────────────────────────┐
        │  I_SEC        = 1.      │
        └─────────────────────────┘

ENDMODULE.                      "set_restart OUTPUT
```

FIG. 6

```
FUNCTION CRM_MONITOR_I02_WAIT.
*"----------------------------------------------------------------
*"*"Lokale Schnittstelle:
*"    IMPORTING
*"        VALUE(I_SEC) TYPE I DEFAULT 1
*"    EXPORTING
*"        VALUE(E_DUMMY) TYPE I
*"----------------------------------------------------------------

    wait up to i_sec seconds.
    e_dummy = 1.

ENDFUNCTION.
```

FIG. 7

```
FORM restart_receive using taskname.
    data: 1v_dummy.
    RECEIVE RESULTS FROM FUNCTION 'CRM_MONITOR_I02_WAIT'
        importing
            e_dummy = 1v_dummy
        exceptions
            SYSTEM_FAILURE          = 1
            COMMUNICATION_FAILURE = 2
            others                  = 4.
    gv_subrc = sy-subrc.
    set user-command 'SCUL'.
ENDFORM.                          " restart_receive
```

FIG. 8

900

Process ID	Status
1	Halt
2	Running
3	Halt
4	Running
5	Running

910   920

FIG. 9